Proposal Full View

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Applicant Information

Organization Name	San Luis Obispo County Flood Control and Water Conservation District *
Tax ID	**999999921**
Proposal Name	San Luis Obispo County Proposition 1E Proposal - Flood Control Zone 1/1A Waterway Management Program, Alternative 3a Project *
Proposal Objective	The WMP is a comprehensive set of actions designed to restore the capacity of the leveed lower three miles of the Arroyo Grande Creek flood channel to increase flood protection to homes, prime agricultural lands, and critical urban infrastructure in the lower Arroyo Grande Creek watershed. The WMP implements an integrated, watershed approach to flood management through a collaborative and community supported process without unfairly burdening communities, neighborhoods or individuals. The WMP was developed subsequent to an alternatives analysis that evaluated options to reduce flooding, manage sediment, and improve habitat conditions in the Arroyo Grande Creek Channel. The program alternatives were developed in cooperation with the community, the Coastal San Luis Resource Conservation District (RCD) and the San Luis Obispo County Flood Control and Water Conservation District (District) and are described in detail in the Arroyo Grande Creek Erosion, Sedimentation, and Flooding Alternatives Study completed in January 2006 by Swanson Hydrology and Geomorphology. The Alternative 3a Project, included in this proposal, includes the following key project elements: • Vegetation Management: Manage riparian vegetation annually to improve flood capacity. Within the riparian corridor support a continuous canopy cover of mature trees and fill existing gaps while encouraging species diversity; • Sediment Management: Conduct sediment management in a way that will improve flood capacity and enhance geomorphic function so as to minimize future sediment accumulations that require intensive management; and • Levee Raise: Raise levees throughout the flood control channel to ultimately achieve a channel capacity that will protect the adjacent community and farmland up to a 10 year flood event. *

Budget

Other Contribution	$0.00
Local Contribution	$2,850,369.00
Federal Contribution	$0.00
Inkind Contribution	$0.00
Amount Requested	$2,797,000.00 *
Total Project Cost	$5,647,369.00 *

Geographic Information

Latitude *	DD(+/-) 35	MM 0	SS 0			
Longitude *	DD(+/-) 121	MM 0	SS 0			
Longitude/Latitude Clarification				Location	The Alternative 3a Project area is along lower Arroyo Grande Creek in San Luis Obispo County	
County				San Luis Obispo *		
Ground Water Basin				Big Spring Area,California Valley,Carrizo Plain,Cayucos Valley,Cholame Valley,Chorro Valley,Los Osos Valley,Salinas Valley-Paso Robles ,San Luis Obispo Valley,San Simeon Valley,Santa Maria,Santa Maria Valley		
Hydrologic Region				Central Coast		
Watershed	27 3309 Salinas; 28 3310 Estero Bay; 29 3311 Carrizo Plan; 30 3312 Santa Maria; 35 3317 Estrella River					

Legislative Information

Assembly District	33rd Assembly District *
Senate District	15th Senate District *
US Congressional District	District 22 (CA),District 23 (CA) *

Project Information

Project Benefits Information

Project Name: Flood Control Zone 1/1A Waterway Management P

Project Benefit Type	Benefit Type	Measurement	Description
			The Alternative 3a Project will provide critically needed flood protection for the disadvantaged communities of Oceano and Cienega Valley farmland.

Primary	Flood Protection	700	The project includes completing final design, permitting and construction of the project to provide flood protection from the 10 year event (with 2-ft. freeboard; protection from the 16.6 year event with no freeboard). The Alternative 3a Project involves implementation of the 1st year vegetation and sediment management, and a moderate levee raise to increase channel capacity to contain the 10 year flood event. This project would improve the flow characteristics of the channel by reducing channel roughness through vegetation thinning and removal and would enhance geomorphic function by removing accumulated sediment, establishing a primary low-flow channel, and creating secondary overflow channels to improve flood conveyance and sediment transport. This project would also increase channel capacity through a moderate levee raise of approximately 1.5 feet. The proposed levee raise, in conjunction with the vegetation and sediment management, will increase flood protection along the flood control channel from a return period flood of 4.6 years under current conditions to a return period flood of 10 years with 2 feet of freeboard (16.6 year flood protection with no freeboard). Maintenance of a primary low-flow channel, enforced by the presence of a stable riparian corridor, will improve sediment transport conditions throughout the flood control reach which will reduce the need for future maintenance/dredging and provide continued flood protection for the disadvantaged community of Oceano and the highly productive agricultural areas of Cienega Valley.
Secondary	Ecosystem: Riparian Habitat	10	The Flood Control Zone 1/1A WMP and the Alternative 3a Project will improve the geomorphic function by removing accumulated sediment, establishing a primary low-flow channel, and creating secondary overflow channels to improve flood conveyance and sediment transport. Maintenance of a primary low-flow channel, enforced by the presence of a stable riparian corridor, will improve sediment transport conditions throughout the flood control reach which will reduce the need for future maintenance/dredging.
Tertiary	Water and Sediment Quality-Other	0	The proposed sediment management portion of the project will enhance geomorphic function by initial removal of accumulated sediment to create secondary channels and integration of habitat enhancement structures consisting of large natural wood logs. By creating a secondary overflow channel enforced by the presence of a stable riparian corridor, sediment transport will be improved and future maintenance, dredging and channel disturbances will be minimized. Creating a stable geomorphic design improves sediment transport conditions and protects the water quality. With this project, the channel capacity would be tripled and the probability for levee overtopping and flooding of farm fields would be reduced 300% each year. The reduction in flooding would result in reduced runoff from farmland which would provide a secondary benefit of protecting surface water from increased sediment load and agricultural contaminants which would protect critical endangered species habitat downstream. While values have not been assigned for avoiding these increases, the reduction in farm field runoff correlates to a reduction in potential contamination and sedimentation of downstream waters.

Budget

Other Contribution	0
Local Contribution	2850369
Federal Contribution	0
Inkind Contribution	0
Amount Requested	2797000
Total Project Cost	5647369

Geographic Information

Latitude DD(+/-)	35	MM 0	SS 0
Longitude DD(+/-)	121	MM 0	SS 0
Longitude/Latitude Clarification		Location	The Alternative 3a Project area is along lower Ar

County	San Luis Obispo
Ground Water Basin	Big Spring Area,California Valley,Carrizo Plain,Cayucos Valley,Cholame Valley, Valley,Los Osos Valley,Salinas Valley-Paso Robles ,San Luis Obispo Valley,San Valley,Santa Maria,Santa Maria Valley
Hydrologic Region	Central Coast
WaterShed	27 3309 Salinas; 28 3310 Estero Bay; 29 3311 Carriz

Legislative Information

Assembly District	33rd Assembly District
Senate District	15th Senate District
US Congressional District	District 23 (CA),District 22 (CA)

Section : Applicant Information Question Tab

APPLICANT INFORMATION QUESTION TAB

Q1. PROPOSAL DESCRIPTION

Provide a brief abstract of the Proposal, including a listing of individual project titles or types.

The Alternative 3a Project, included in this grant proposal, is the initial and necessary first step in implementing the overall WMP and providing critically needed flood protection for the disadvantaged communities of Oceano and Cienega Valley farmland. The project includes completing final design, permitting and construction of the project to provide flood protection from the 10 year event (with 2-ft. freeboard; protection from the 16.6 year event with no freeboard). The Alternative 3a Project involves implementation of the 1st year vegetation and sediment management, and a moderate levee raise to increase channel capacity to contain the 10 year flood event. This project would improve the flow characteristics of the channel by reducing channel roughness through vegetation thinning and removal and would enhance geomorphic function by removing accumulated sediment, establishing a primary low-flow channel, and creating secondary overflow channels to improve flood conveyance and sediment transport. This project would also increase channel capacity through a moderate levee raise of approximately 1.5 feet. The proposed levee raise, in conjunction with the vegetation and sediment management, will increase flood protection along the flood control channel from a return period flood of 4.6 years under current conditions to a return period flood of 10 years with 2 feet of freeboard (16.6 year flood protection with no freeboard). Maintenance of a primary low-flow channel, enforced by the presence of a stable riparian corridor, will improve sediment transport conditions throughout the flood control reach which will reduce the need for future maintenance/dredging and provide continued flood protection for the disadvantaged community of Oceano and the highly productive agricultural areas of Cienega Valley. Award of this grant would advance the completion date of the Alternative 3a project approximately 24 years, from 2037 to 2013 and advance the completion date of the overall WMP by an equivalent 24 years. Following completion of the Alternative 3a project, the County can work towards implementation of the remaining WMP measures required to provide protection from the 20 year event and meet all of the objectives of the WMP. These measures would build upon the Alternative 3a project by increasing the levee height and raising the UPRR bridge to accommodate the 20 year event.

Q2. PROJECT DIRECTOR

Provide the name and details (including email) of the person responsible for executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Director.

Paavo Ogren, Director of Public Works County of San Luis Obispo Public Works Department 805.781.5252 pogren@co.slo.ca.us

Q3. PROJECT MANAGEMENT

Provide the name and contact information (including email) of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.

Jill Ogren, RCE Hydraulic Planning County of San Luis Obispo Public Works Department 805.781.5263 jogren@co.slo.ca.us

Q4. APPLICANT INFORMATION

Provide the agency name, address, city, state, and zip code of the applicant submitting the application. Also provide the name and contact information of the person filling out the online application.

San Luis Obispo County Flood Control and Water Conservation District Public Works Department County Government Center San Luis Obispo, CA 93408 Online Application completed by: Lidia Gutierrez Gutierrez Consultants 925.766.5294 Lidia@GutierrezConsultants.com

Q5. ADDITIONAL INFORMATION

Provide the funding area(s) in which projects are located.

http://www.water.ca.gov/irwm/integregio_fundingarea.cfm

Central Coast Funding Area

Q6. RESPONSIBLE REGIONAL WATER QUALITY CONTROL BOARD (S)

List the name of the Regional Water Quality Control Board (RWQCB) in which your proposal is located. For a region that extends beyond more than one RWQCB boundary, list the name of each Board.
http://www.waterboards.ca.gov/waterboards_map.shtml

Central Coast Regional Water Quality Control Board

Q7.
ELIGIBILITY

Is the application from an IRWM planning region approved in the RAP (See Section II B, Table 1)? If yes, include the name of the IRWM planning region. If not, explain.

Yes - San Luis Obispo County IRWM Region

Q8.
ELIGIBILITY

Is the applicant a local agency or non-profit organization as defined in Appendix B of the Grant Guidelines?

Yes - County Agency

Q9.
ELIGIBILITY

List the urban water suppliers that will receive funding from the proposed grant. Those listed must submit self certification of compliance with CWC §525 et seq. and AB 1420. If there are none, so indicate and you do not have to answer Q10 and Q11.

San Luis Obispo County Flood Control and Water Conservation District

Q10.
ELIGIBILITY

Have all of the urban water suppliers, listed in Q9 above, submitted complete 2005 Urban Water Management Plans (UWMP) to DWR? Have those plans been verified as complete by DWR? If not, explain and provide the anticipated date for having a complete UWMP. Will all of the urban water suppliers listed in Q9, along with any additional urban water suppliers that meet the urban water supplier definition threshold for the first time, submit updated 2010 UWMPs, consistent with the 2010 UWMP Guidebook and verified as complete by DWR, before the execution of a grant agreement? If not, explain.

The San Luis Obispo County Flood Control and Water Conservation District has submitted a complete 2005 UWMP to DWR but they have yet to be reviewed for completness by DWR. Per DWR's 2006 legislative update report, the UWMP was received but had yet to be reviewed. Understanding that DWR will prioritize reviewing 2010 UWMPs from applicants, the San Luis Obispo County Flood Control and Water Conservation District will submit updated 2010 UWMPs, consistent with the 2010 UWMP Guidebook that will be verified as complete by DWR before the execution of a grant agreement.

Q11.
ELIGIBILITY

Have any urban water suppliers listed in Q9 recently submitted AB 1420 compliance tables and supporting documentation to DWR for a different grant program within the past three months? If so, please list the urban water supplier and the grant program. An urban water supplier must submit AB 1420 compliance documentation to DWR. If the urban water supplier has not submitted AB 1420 documentation, or that documentation was determined to be incomplete by DWR, the urban water supplier's projects will not be considered eligible for grant funding. Refer to Section IIIB of the Guidelines for additional information.

Yes, the San Luis Obispo County Flood Control and Water Conservation District submitted AB 1420 compliance tables and supporting documentation to DWR for the Proposition 84 Implementation Grant application.

Q12.
ELIGIBILITY

Does the Proposal include any groundwater management or groundwater recharge projects or projects with potential groundwater impacts? If so, provide the name(s) of the project (s) and list the agency(ies) that will implement the project(s).

No

Q13.
ELIGIBILITY

For the agency(ies) listed in Q12, how has the agency complied with CWC §10753 regarding GWMPs, as described in Section III.B of the Grant Guidelines?

Not applicable

Q14:
ELIGIBILITY

Does the applicant have a Stormwater Resources Plan developed pursuant to Part 2.3 (commencing with Section 10560) of Division 6 of the Water Code, or an IRWM Plan that includes the Stormwater Resources Plan requirements specified in Section 10562 of the Water Code? Please answer yes or no. If yes, please answer Question 15 or 16, as applicable.

a) Yes
b) No

Q15:
ELIGIBILITY

For applicants with a Stormwater Resources Plan, does that Plan meet the standards set forth in Part 2.3 of Division 6 of the CWC? If yes, provide attachment 13.

a) Yes
b) No

Q16:
ELIGIBILITY

For applicants with an IRWM Plan, does that Plan include the Stormwater Resources Plan requirements specified in Section 10562 of the CWC? If yes, provide attachment 13.

a) Yes
b) No

NOTES TO BMS

ADMINISTRATOR

Provide notes about any potential problems you may have had with BMS that are particular to your application.

Section : Application Attachments Tab

APPLICATION ATTACHMENTS TAB

ATTACHMENT 1: AUTHORIZATION AND ELIGIBILITY REQUIREMENTS

Upload Authorization and Eligibility documentation here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att1_SWF_Eligible_1of1.pdf

Upload additional Authorization and Eligibility documentation here.

Upload additional Authorization and Eligibility documentation here.

Upload additional Authorization and Eligibility documentation here.

Upload additional Authorization and Eligibility documentation here.

ATTACHMENT 2: ADOPTED PLAN AND PROOF OF FORMAL ADOPTION

Upload Proof of Formal Adoption documentation here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att2_SWF_Adopt_1of1.pdf

Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here.

ATTACHMENT 3: WORK PLAN

Upload the Work Plan here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att3_SWF_WorkPlan_1of5.pdf

Upload additional work plan components here.
Last Uploaded Attachments: Att3_SWF_WorkPlan_2of5.pdf

Upload additional work plan components here.
Last Uploaded Attachments: Att3_SWF_WorkPlan_3of5.pdf

Upload additional work plan components here.
Last Uploaded Attachments: Att3_SWF_WorkPlan_5of5.pdf

Upload additional work plan components here.
Last Uploaded Attachments: Att3_SWF_WorkPlan_4of5.pdf

ATTACHMENT 4: BUDGET

Upload the Budget here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att4_SWF_Budget_1of1.pdf

Upload additional budget components here.

Upload additional budget components here.

Upload additional budget components here.

Upload additional budget components here.

ATTACHMENT 5: SCHEDULE

Upload the Schedule here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att5_SWF_Schedule_1of1.pdf

Upload additional schedule components here.

Upload additional schedule components here.

Upload additional schedule components here.

Upload additional schedule components here.

ATTACHMENT 6: MONITORING, ASSESSMENT, AND PERFORMANCE MEASURES

Upload Monitoring, Assessment, and Performance Measures here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att6_SWF_Measures_1of1.pdf

Upload additional Monitoring, Assessment, and Performance Measures here.

Upload additional Monitoring, Assessment, and Performance Measures here.

Upload additional Monitoring, Assessment, and Performance Measures here.

Upload additional Monitoring, Assessment, and Performance Measures here.

ATTACHMENT 7: ECONOMIC ANALYSIS - FLOOD DAMAGE REDUCTION COSTS AND BENEFITS

Upload Economic Analysis - Flood Damage Reduction Costs and Benefits here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att7_SWF_DReduc_1of2.pdf

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Last Uploaded Attachments: Att7_SWF_DReduc_2of2.pdf

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

ATTACHMENT 8: ECONOMIC ANALYSIS - WATER SUPPLY COSTS AND BENEFITS

Upload Economic Analysis - Water Supply Costs and Benefits here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att8_SWF_WSBen_1of1.pdf

Upload additional - Water Supply Costs and Benefits documentation here.

Upload additional - Water Supply Costs and Benefits documentation here.

Upload additional - Water Supply Costs and Benefits documentation here.

Upload additional - Water Supply Costs and Benefits documentation here.

Section : Application Attachments Tab (cont)

APPLICATION ATTACHMENTS TAB (CONT)

ATTACHMENT 9: WATER QUALITY AND OTHER EXPECTED BENEFITS

Upload Water Quality and Other Expected Benefits here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att9_SWF_WQOtherBen_1of1.pdf

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

ATTACHMENT 10: COSTS AND BENEFITS SUMMARY

Upload Costs and Benefits Summary here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att10_SWF_CBSummary_1of1.pdf

Upload additional Costs and Benefits Summary documentation here.

Upload additional Costs and Benefits Summary documentation here.

Upload additional Costs and Benefits Summary documentation here.

Upload additional Costs and Benefits Summary documentation here.

ATTACHMENT 11: PROGRAM PREFERENCES

Upload Program Preference documentation here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att11_SWF_ Preference_1of1.pdf

Upload additional Program Preference documentation here.

Upload additional Program Preference documentation here. **Upload additional Program Preference documentation here.**

Upload additional Program Preference documentation here.

ATTACHMENT 12: AB1420 AND WATER METER COMPLIANCE INFORMATION

Upload AB1420 and Water Meter Compliance Information here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att12_SWF_AB1420WMC_1of1.pdf

Upload additional AB1420 and Water Meter Compliance documentation here. **Upload additional AB1420 and Water Meter Compliance documentation here.**

Upload additional AB1420 and Water Meter Compliance documentation here. **Upload additional AB1420 and Water Meter Compliance documentation here.**

ATTACHMENT 13: STORMWATER RESOURCES PLAN

This attachment is only necessary if the applicant has an existing Stormwater Resources Plan, pursuant (commencing with Section 10560) of Division 6 of the Water Code and answered "yes" to Q15 or Q16.

The summary text must be no more than 5 pages in length using a minimum of 10-point type font. Excerpts from the Plan must not exceed 15 pages.

Attachment 13 must provide the following:

Identify and include portions of the applicable Plan that demonstrate all of the standards of Part 2.3 (commencing with Section 10560) of Division 6 of the CWC.

Last Uploaded Attachments: Att13_SWF_Strmrespln_1of1.pdf

Upload additional Stormwater Resources Plan documentation here.

Upload additional Stormwater Resources Plan documentation here. **Upload additional Stormwater Resources Plan documentation here.**

Upload additional Stormwater Resources Plan documentation here.